

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International publication date

28 April 2005 (28.04.2005)

PCT

(10) International publication number

WO 2005/038379 A1

(51) International patent classification⁷: F28F 9/00

(21) International application number: PCT/EP2004/010187

(22) International filing date: 13 September 2004 (13.09.2004)

(25) Language of filing: German

(26) Language of publication: German

(30) Data relating to the priority:
103 49 139.2 17 October 2003 (17.10.2003) DE

(71) Applicant (for all designated States except US): BEHR GMBH & CO. KG [DE/DE]; Mauserstrasse 3, 70469 Stuttgart (DE).

(72) Inventor; and

(75) Inventor/Applicant (US only): HEINE, Reinhard [DE/DE]; Eichendorfstrasse 34, 71686 Remseck (DE).

(74) Joint Representative: BEHR GMBH & CO. KG; Intellectual Property, G-IP, Mauserstrasse 3, 70469 Stuttgart (DE).

(81) Designated states (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU,

AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated states (unless otherwise indicated, for every kind of regional protection available): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

- of inventorship (Rule 4.17(iv)) for the following designation US

Published:

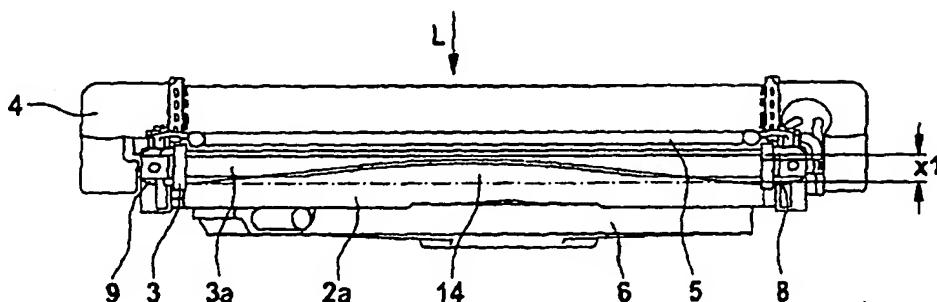
- with International Search Report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[continued on next page]

As printed

(54) Title: ARRANGEMENT USED TO SECURE A FAN FRAME

(54) Bezeichnung: ANORDNUNG ZUR BEFESTIGUNG EINER LÜFTERZARGE



WO 2005/038379 A1

(57) Abstract: The invention relates to an arrangement which is used to secure a fan frame (2) to a heat exchanger (3). Said heat exchanger (3) comprises a collecting tank provided with retaining means and the fan frame (2) comprises a frame provided with a support device and/or an additional rib and securing means which interact with the retaining means of the collecting tanks (8, 9).

(57) Zusammenfassung: Die Erfindung betrifft eine Anordnung zur Befestigung einer Lüfterzarge (2) an einem Wärmeübertrager (3), wobei der Wärmeübertrager (3) einen Sammelkasten mit Haltemitteln und die Lüfterzarge (2) einen Rahmen mit einer Stützvorrichtung und/oder einer Zusatzrippe und Befestigungsmitteln aufweist, die mit den Haltemitteln der Sammelkästen (8, 9) in Wirkverbindung stehen.

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.